

## **Historic, Archive Document**

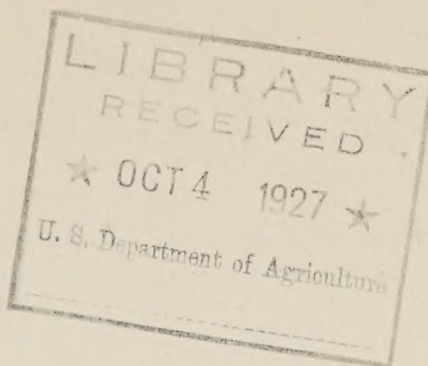
Do not assume content reflects current scientific knowledge, policies, or practices.



119  
A88/Li

CONFIDENTIAL

EXHIBIT "B"



D E P A R T M E N T O F A G R I C U L T U R E

---oOo---

List of Supplemental Recommendations for 1929  
(Increases above 1928 appropriations and above 1929 regular estimates)

September 10, 1927.





CONFIDENTIAL

(September 10, 1927)

E X H I B I T "B"

List of Supplemental Recommendations for 1929  
(Increases above 1928 appropriations and above 1929 regular estimates)

<u>Bureau and Item</u>	<u>Amount</u>
<u>OFFICE OF INFORMATION</u>	
<u>Printing and Binding.</u>	
For printing "Fruit and Vegetable Disease Handbook," urgently needed by producers and all agencies concerned with transportation of fruits and vegetables.....	\$50,000
To meet increased cost of printing.....	32,000.....\$82,000
<u>OFFICE OF EXPERIMENT STATIONS</u>	
<u>Administration of Experiment Station Funds.</u>	
For handling additional work incident to increase in Purnell Act funds.....	\$1,400
<u>Alaska Experiment Stations.</u>	
To replace greenhouse and propagating laboratory at Sitka station destroyed by fire April 5, 1927.....	5,000
For residence of superintendent of Fairbanks station.....	8,000
For mess house for laborers at Matanuska station.....	5,000
For cottage for associate animal hus- bandman at Matanuska station.....	3,500
For a plant breeding laboratory and propagating house at the Matanuska station.....	3,500...25,000
<u>Hawaii Experiment Station.</u>	
For investigations of canna as a source for starch production.....	5,000
For extending and developing extension work, especially boys' and girls' club work.....	5,000... 10,000
<u>Porto Rico Experiment Station</u>	
For employment of a chemist, entomologist, and associate animal husbandman, neces- sary for development of experimental work of station.....	10,000
<u>Guam Experiment Station.</u>	
For salary and expenses of an extension agent.....	5,000
For buildings, equipment, and additional implements.....	5,000...10,000





<u>Bureau and Item</u>	<u>Amount</u>
<u>OFFICE OF EXP. STATIONS (Continued).</u>	
<u>Virgin Islands Experiment Station.</u>	
For salary and expenses of a veterinarian (who shall also be animal husbandman of the station).....	\$4,000
For investigating in growing, grading, and marketing "winter" vegetables.....	1,000....\$5,000
<u>Samoa Experiment Station (New)</u>	
For preliminary work of establishing an experiment station in American Samoa, to teach natives the rudiments of agricul- ture, use of livestock, etc.....	10,000
	\$71,400
 <u>EXTENSION SERVICE</u>	
<u>Cooperative Extension Work.</u>	
For additional Federal aid to States, contemplated by the Capper-Ketcham bill, to provide for country agricul- tural, home demonstration, and boys' and girls' club agents in counties where agents are not now employed.....	500,000
<u>Demonstrations on Reclamation Projects and Indian Reservations.</u>	
For placing extension agents on reclamation projects where such agents are not now employed, and for extension work on Indian reservations as desired by the Interior Department.....	36,360
<u>Agricultural Exhibits</u>	
For exhibits at short courses at agricultural colleges, meetings of farm organizations, conventions of business groups allied to agriculture, etc., not now covered, and for more nearly meeting the requests of fairs, etc., for educational exhibits.....	26,955
<u>Cooperative Farm Forestry Extension.</u>	
To extend work to additional States qualifying for cooperation, as contemplated by the Refores- tation Act of June 7, 1924.....	10,000
	573,315
 <u>WEATHER BUREAU.</u>	
<u>Expenses in Washington.</u>	
For compilation of meteorological data re- quired in revision of pilot charts of the Hydrographic Office, Navy Department.....	9,100





<u>Bureau and Item</u>	<u>Amount</u>
<b>WEATHER BUREAU (Continued)</b>	
<u>Expenses out of Washington.</u>	
For inaugurating at San Francisco a special service for dissemination by radio of weather information for benefit of West Coast aviators, especially those of the Army and Navy.....	\$7,660
For a corn and wheat region weather service in the Pacific Northwest (Washington, Oregon, and Idaho).....	6,300
For establishment of two agricultural meteorological stations in important farming areas for investigating relation of weather conditions to crop yields.....	6,000
For development of the forest-fire weather reporting service on a more adequate basis.....	15,000....\$34,960
<u>Investigation of Atmospheric Phenomena.</u>	
For establishment and maintenance of additional pilot balloon stations on commercial airways to properly carry out meteorological service for benefit of aviators contemplated by the Air Commerce Act of 1926.....	73,500      \$117,560
<b>ANIMAL INDUSTRY</b>	
<u>Inspection and Quarantine.</u>	
For sheep scabies eradication work in Louisiana, Mississippi, and Kentucky, where there has been a marked growth in sheep raising in recent years.....	15,000
<u>Tuberculosis Eradication.</u>	
To provide for restoration of reduction which Department felt compelled to make in indemnity fund in order to provide in regular estimates for salary adjustments deemed imperative in view of present situation with respect to supply of qualified veterinarians, essential to future welfare of the livestock industry.....	256,870
<u>Tick Eradication.</u>	
To increase assistance to States in several cases where urgently needed.....	9,450





<u>Bureau and Item</u>	<u>Amount</u>
<b>ANIMAL INDUSTRY (Continued)</b>	
<u>Animal Husbandry Investigations.</u>	
For adequate prosecution of inbreeding work with swine.....	\$4,000
For purchase of extra feeds in connection with swine growth studies, in cooperation with Johns Hopkins University.	2,500
For investigations with milk goats, Angora goats, and Karakul sheep at Beltsville, Md.....	7,000
For horse nutrition and maintenance work, in cooperation with War Department....	2,000
For employment of an assistant on the genetic research project being conducted in cooperation with a number of State experiment stations.....	2,400
For equipment in connection with beef cattle investigations at Beltsville...	21,250
For beef cattle investigations at Miles City, Mont. (\$15,500 for feeding and breeding experiments and \$4,500 for repairs to pipeline system).....	20,000
For poultry investigations (\$5,000 for nutritional and color studies at Beltsville, in cooperation with Johns Hopkins University, and \$10,200 for incubator investigations).....	15,200
For nutrition investigations with farm animals, including poultry.....	17,500
For modernizing abattoir and other equipment for use in connection with the meat investigation project; present equipment in use over 12 years, and meat investigations will be at a standstill after this year because of worn-out and inadequate condition of equipment.....	41,800.....\$133,650
<u>Diseases of Animals.</u>	
For study of swamp fever and periodic ophthalmia of horses.....	3,000
For study of drugs used and their effect in treatment of livestock for parasitic worms.....	3,900
For investigation of mange mites and other external parasites of livestock.....	4,000
For fundamental researches of miscellaneous animal parasites, including studies of their life histories and development of control measures (\$41,780 was included in Preliminary Estimates, and \$15,000 for work in South is being included in the Regular Estimates, leaving \$26,780 to go in supplemental recommendations).....	26,780





<u>Bureau and Item</u>	<u>Amount</u>
<u>ANIMAL INDUSTRY (Continued)</u>	
<u>Diseases of Animals (Continued)</u>	
For investigation of parasitic protozoa affecting livestock.....	\$4,000
For area tests in the control or eradication of the cattle grub.....	50,000.....\$91,680
<u>Hog Cholera Eradication.</u>	
For additional veterinarians in several of the more important swine-raising States.....	9,000      \$515,650
 <u>DAIRY INDUSTRY</u>	
<u>Dairy Investigations</u>	
Dairy cattle breeding investigations (\$11,500 for proved-sire work, \$4,000 for investigating a comparative system of mating, and \$5,500 for general breeding studies).....	21,000
For ice cream investigations, to solve problems of manufacture relating to texture, flavor, sandiness, etc.....	5,000
For butter by-products utilization investigations.....	5,100
For studies of milk and milk powder, with special reference to causes of deterioration.....	3,860
For investigations in the bacteriology and chemistry of milk, as basis for milk grading and manufacture of condensed and evaporated milk and milk powder.....	3,000
For nutrition investigations, including study of relation of faulty nutrition to reproduction, study of mineral metabolism, and relation of minerals in feed to milk secretion.....	22,000
For milk plant management work, including problems of country milk-receiving stations and delivery systems, and milk-plant labor studies...	5,000
To cover increased operating expenses at Beltsville, Md., in connection with dairy cattle breeding work (estimate of \$7,600 for manure pit included in Regular Estimates).....	24,400 ..... 89,360





<u>Bureau and Item</u>	<u>Amount</u>
<b>PLANT INDUSTRY</b>	
<u>Pathological Laboratory.</u>	
For extension of cooperative plant-disease surveys in certain States desiring this service and prepared to contribute funds.....	\$6,000
For study of mushroom diseases responsible for heavy financial losses to growers.....	6,000
For study of fungous parasites of insects, in cooperation with Bureau of Entomology, to determine influence of certain species in retarding spread of destructive insect pests.....	5,000
For crown-gall investigations, with special reference to treatment of nursery stock and fruit stocks.....	6,000 .....
	\$23,000
<u>Fruit Diseases.</u>	
For extending investigations on the phoney disease of peaches in Georgia and adjacent States; disease little understood but rapidly becoming more threatening each season.....	4,000
For apple disease investigations, to determine satisfactory spraying treatment; work now in abeyance on account of lack of funds.....	5,000
For a study of carbon di-oxide as an agency in the control of fruit rots.....	7,000
For study of physiological fruit diseases, including relation of nutrition to disease and study of chlorotic diseases of fruit trees.....	4,000
For extension of market pathology work, or study of diseases of fruits in storage, transit, or on the market, in cooperation with Bureau of Agricultural Economics.....	10,000
For study of new and more effective fungicides which will be less injurious to fruit and foliage than those now in use.....	7,000 .....
	37,000
<u>Forest Pathology.</u>	
For enlargement of pathological investigations at forest experiment stations, in cooperation with Forest Service.....	20,000
For expanding pathological work at Forest Products Laboratory, Madison Wis., including studies of log storage, blue-stain control, rot control, and durability studies of various species of wood building.....	10,000



<u>Bureau and Item</u>	<u>Amount</u>
PLANT INDUSTRY (Continued)	
<u>Forest Pathology (Continued).</u>	
For investigation and control of European larch canker in Massachusetts-- a serious menace not only to American and European larch, but Douglas fir, Sitka spruce, and possibly other species.....	\$20,000
For investigation of Woodgate rust appearing on Scotch pine in New York and presumably able to attack other hard pines.....	15,000.....\$65,000
<u>Blister Rust Control</u>	
For enlarging field inspection work in Oregon to determine spread of rust and apply practical control measures.....	6,000
For enlarging experiments in developing practical chemical eradication of Ribes..	5,000
For study of Ribes ecology to determine factors influencing occurrence and re-growth of these plants.....	2,500
For field studies and experimental work on Ribes in Eastern white-pine belt as a basis for "follow-up" eradication.....	15,000 ... 28,500
<u>Vegetable and Forage Diseases.</u>	
For enlargement of potato virus disease studies in East and establishment of cooperative work on these diseases in Idaho and Montana; and for investigation of general potato disease problems, particularly in Southeast.....	15,000
For extending work in breeding disease resistant strains of tomatoes.....	6,000
For investigation of diseases of snap beans and peas grown for canning, urgently requested by interested industries.....	30,000
For investigation of club-root, black-leg, and root-rot of cabbage, and extension of cooperative work with Tennessee Experiment Station on yellows-resistant cabbage.....	10,000
For enlargement of investigations of diseases of vegetables during transportation and marketing, in cooperation with Bureau of Agricultural Economics.....	10,000
For detailed study of curly-top virus, believed to be cause of western yellow tomato blight and many other destructive diseases of truck crops.....	20,000





<u>Bureau and Item</u>	<u>Amount</u>
PLANT INDUSTRY (Continued)	
<u>Vegetable and Forage Diseases (Continued).</u>	
For investigating seed-borne diseases of vegetables, at present one of the most important undeveloped lines of vegetable pathology.....	\$10,000
For investigating alfalfa diseases in Mississippi Valley States, where diseases make successful culture of this crop increasingly difficult.....	2,500
For investigating bulb diseases, necessary to prevent enormous losses and place this new industry on a secure basis.....	50,000 ....\$153,500
<u>Crop Physiology and Breeding</u>	
For securing and testing rare varieties of rain-resistant dates.....	10,000
For securing promising new stock, plants for Citrus, for propagation and test in cooperation with experiment stations of citrus-growing States.....	5,000.... 15,000
<u>Plant Nutrition,</u>	
Extension of work on plant growth as affected by length of daylight.....	20,000
<u>Cotton, Rubber, and Other Tropical Plants.</u>	
Improvement of cotton production through determination of best adapted varieties for different regions, development and maintenance of basis seed stocks, and cooperation with State and local agencies in establishing one-variety conditions of production.....	65,000
Enlarging rubber investigations, including necessary practical experiments with different systems of producing rubber in the Philippines and tropical America.....	200,000
For increased costs in taking care of experimental abaca plantings in Central America and for related fiber-plant work.	5,000.... 270,000
<u>Drug and Other Plants.</u>	
For study of the functions of colloids in living plant cells.....	10,000
<u>Nematology.</u>	
For enlarging investigations of nemas and the diseases caused by them, including "stem disease" of alfalfa, clover, onions, narcissus, strawberries, etc.....	10,000





<u>Bureau and Item</u>	<u>Amount</u>
<b>PLANT INDUSTRY (Continued)</b>	
<u>Cereal Crops and Diseases.</u>	
For extending rice investigations to Missouri and adjacent States.....	9,000
For expanding grain-sorghum experiments on existing dry-land field stations, and for physiological and biochemical investigations with grain sorghums and broomcorn.....	9,000
For physiological and biochemical investigations of corn root-rot, stalk-rot, and ear-rot.....	6,500
For enlarging investigations of virus diseases of cereals.....	20,000
Investigation of problems in the control of stinking smut of wheat.....	7,000.....51,500
<u>Tobacco.</u>	
Study of effect on tobacco production of magnesium, calcium, sulphur, chlorine, and other uncommon fertilizer materials.....	5,000
<u>Sugar Plants</u>	
For enlarging sugar-cane breeding work in Florida and for collecting and studying disease-resisting types from Melanesia.....	15,000
Experiments in sugar-beet production in western areas where curly-top is a minor factor.....	10,000.....25,000
<u>Botany.</u>	
For special blueberry experiments in North Carolina and other Southern States, with a view to the establishment of a blueberry industry in that section.....	10,000
Field investigations to determine methods of weed control, with particular reference to wild garlic, nutgrass, perennial peppergrass, and wild oats.....	5,000.....15,000
<u>Dry Land Agriculture.</u>	
Horticultural experimental and demonstration (shelter-belt) work to Woodward, Okla., field station, to serve the southern Great Plains area.....	35,000
<u>Western Irrigation Agriculture</u>	
Enlarging investigations on the relation of cropping methods to management and quality of irrigation water and subsoil water.....	10,000
<u>Nut Culture.</u>	
Investigation of methods of utilizing the surplus and carry-over of nuts.....	5,000
Investigation of physiological problems in connection with pecan culture.....	7,500.... 12,500



<u>Bureau and Item</u>	<u>Amount</u>
<b>PLANT INDUSTRY (Continued)</b>	
<u>Pomology.</u>	
Special investigation of the pre-cooling of fruit for shipment.....	20,000
Investigation of the transportation and handling of California citrus fruits.....	15,000
Fundamental physiological studies in fruit and vegetable production.....	10,000
Improvement of strawberries, raspberries, and blackberries by breeding.....	10,000
For enlarging studies of fruit improvement by bud selection, especially deciduous fruits.....	5,000
Fruit utilization work, especially determination of peach varieties suitable for canning and ice-cream manufacture, and development of improved methods for drying fruits.....	10,000.....70,000
<u>Gardens and Grounds.</u>	
To replace by one roof the roofs of two greenhouses badly in need of repair.....	10,000
<u>Horticulture.</u>	
Study of cultural requirements and varietal adaptation of vegetable crops.....	10,000
Investigating the production, standardization, improvement, and regional adaptation of vegetable crops for market gardening, truck farming, and canning.....	50,000
For extending work of improving Irish potatoes for seed purposes.....	31,000
Expansion of field activities in bulb culture in various portions of the country.....	10,000
Inauguration of investigations of problems of the florist industry (new).....	50,000....151,000
<u>Nursery Stock.</u>	
Investigation of problem of effectively handling and maintaining nursery stock in dormant condition through winter and sales period.....	30,000
<u>Arlington Experiment Farm.</u>	
For preliminary work upon the fill on Columbia Island.....	3,000
<u>Foreign Plant Introduction.</u>	
For salary and expenses of an additional agricultural explorer to secure new plants in foreign countries.....	15,000
For greenhouse construction and repair and additional personnel at Bell (Md.) plant introduction station.....	13,200





<u>Bureau and Item</u>	<u>Amount</u>
PLANT INDUSTRY (Continued)	
<u>Foreign Plant Introduction (continued)</u>	
For erection of a hurricane-proof building at Chapman Field (Fla.) plant introduction station as superintendent's residence and place of refuge.....	\$8,000
For pipe irrigation system at Chico (Calif.) plant introduction station.....	3,000
For developing new plant testing at the Savannah (Ga.) plant introduction station...	5,000...\$44,200
<u>Forage Crops.</u>	
For expanding work with soybeans and miscellaneous legumes and grasses of winter cover crops in the South.....	20,000
Study of red clover from standpoint of adaptability of imported and domestic seed, increase in supply of desirable domestic seed, and selection and breeding for improvement..	35,000
Cooperation with Forest Service and Biological Survey in development and improvement of pastures in cotton belt.....	25,000... 80,000
<u>Biophysical Laboratory.</u>	
Investigation of possibility of inducing heritable variations in plants by vibrations of high frequency.....	7,500
	\$1,181,700
FOREST SERVICE	
<u>Protection and Administration of National Forests.</u>	
For strengthening the fire protection organization (personnel).....	\$210,000
For fire-fighting equipment.....	100,000
Salary increases, as a means to maintenance of efficiency of personnel...	42,000..352,000
<u>Forest Products.</u>	
Study of heat insulating value of wood.	10,000
Studies of lumber storage and handling practices.....	10,000
For correlating the mechanical, chemical, and physical properties of wood; as a basis for practical improvements in growing, manufacture, and use of woods,	10,000
Study of the grading of lumber for density.....	10,000
Determination of the decay hazards in the typical wooden house.....	10,000
Development of fire-resistant wooden construction.....	10,000
Investigation of problems incident to substitution of a soda for a lime base in sulphite pulping in connection with utilization of resinous woods for paper making.....	15,000



Bureau and ItemAmount

## FOREST SERVICE (Continued)

Forest Products (continued)

Investigation of practicability of providing a small saw-mill service to farm woodlot owners and national-forest operators.....\$15,000  
 Salary increases..... 4,250...\$94,250

Range Investigations.

For establishment of experiment station in Southwest for study of range and grazing problems..... 30,000  
 Salary increases..... 360... 20,360

Planting on National Forests.

To speed up planting work on national forests, the 2,000,000 acres requiring reforestation now being planted at rate of only about 12,000 acres annually with present appropriation of \$150,000..... 150,000

Silvical Investigations.

Study of forestry in relation to the problem of submarginal lands, in cooperation with Bureau of Agricultural Economics..... 25,000  
 Study of economic factors affecting industrial forestry..... 25,000  
 Study by Lake States Forest Experiment Station of means of restoring the valuable pine forests of this region which have largely been depleted by logging and fire.15,000  
 For extending investigations of California Forest Experiment Station dealing with forest fire hazards and control methods, influence of forests upon streamflow and erosion, and studies of range conditions and utilization in relation to reforestation and water conservation..... 20,000  
 For extending work of Pacific Northwest Forest Experiment Station to cover silvicultural methods and forest growth and yield problems in southeastern Alaska.. 15,000  
 Salary increases..... 2,400...102,400

Improvements on National Forests.

Construction of improvements needed for fire protection purposes on all except the four southern California forests..... 109,583  
 Construction of fire-protection improvements on four southern California forests..... 50,000  
 Construction and maintenance of range improvements..... 70,000





<u>Bureau and Item</u>	<u>Amount</u>
<b>FOREST SERVICE (Continued)</b>	
<u>Improvements on National Forests. (continued)</u>	
Construction of dam at Cass Lake, Minn.....	\$11,000....\$240,583
<u>Forest Fire Cooperation.</u>	
To enable Federal Government to meet in part the contributions by States qualifying for cooperation in fire protection under the Clarke-McNary Forestry Act.....	500,000
<u>Cooperative Distribution of Forest Planting Stock.</u>	
To provide a minimum Federal allotment of \$2,500 to each of the 36 States which will probably qualify for cooperation during 1929 under the Clarke-McNary Forestry Act.....	15,000
<u>Acquisition of Lands.</u>	
Increase recommended by National Forest Reser- vation Commission to apply on program for purchase of 6,000,000 acres of forest land in units already approved by Commission.....	1,000,000..\$2,484,593
<b>CHEMISTRY AND SOILS.</b>	
<u>Agricultural Chemistry Investigations.</u>	
For extending work of commercial utilization of citrus fruits, pomegranates, avocados, pears, prunes, and other fruits.....	25,000
Experiments and demonstrations in proper methods of taking off and curing hides and skins, and study of litte- used native tanning material and of foreign tannin-bearing plants.....	30,000
Fundamental investigations upon the chemical properties and utilization of lignin.....	5,000
Extension of studies on the composition and utilization of vegetable oils and fats.....	5,000... 65,000
<u>Plant Dust Explosions and Farm Fires.</u>	
For extension of plant-dust explosion work, including establishment of a large- scale testing station at Arlington Farm.....	10,000
For enlargement of research work on the causes and methods of control of farm fires.....	15,000.... 25,000
<u>Naval Stores Investigations.</u>	
For study of new processes and equipment for production of naval stores, in cooperation with producers and Forest Service, and study of adaptability of naval stores for various uses.....	20,000



<u>Bureau and Item</u>	<u>Amount</u>		
CHEMISTRY AND SOILS (Continued)			
<u>Sugar Cane Utilization (new)</u>			
For studying methods for diversifying products made from sugar cane and originating new products.....	\$15,000		
<u>Sweet Potato Utilization (new)</u>			
For investigating possibilities of utilizing sweet potato culls for the production of starch and conversion products.....	10,000		
<u>Soil Chemistry.</u>			
For increased work necessary to properly co-ordinate the chemical investigation of soils with the classification and mapping of soil types, and to extend investigations of soil colloids.....	10,000		
<u>Soil Survey</u>			
For studying causes and developing methods for remedying destructive soil erosion.	25,000		
For special study of extent, origin, and utilization of peat lands.....	8,000..	33,000	
<u>Soil Fertility</u>			
For further crop experiments with air-derived nitrogen and other concentrated fertilizers.....	7,000		
For soil fertility and fertilizer studies on sugar-cane soils in Louisiana, Florida, and other Southern States.....	5,000		
Further experiments with various potash materials.....	2,500..	14,500	\$192,500
ENTOMOLOGY			
<u>Deciduous Fruit Insects</u>			
Investigation of Lecanium scale pest of apples and other fruits in Washington State.....	5,000		
For extending study of the biology and treatment of the Oriental peach moth..	5,000		
Investigations to determine methods of disinfection of imported and domestic nursery and other products to facilitate insect quarantine operations..	10,000		
Preparation of an insecticide and fungicide pharmacopoeia, in cooperation with Bureaus of Plant Industry and Chemistry and Soils.....	5,000		
For extending work on importing and rearing parasites of Japanese beetle and to investigate method of control by mechanical and electrical means...	5,000		





<u>Bureau and Item</u>	<u>Amount</u>
<u>ENTOMOLOGY (Continued.)</u>	
<u>Dediduous Fruit Insects. (continued)</u>	
Investigation of newly introduced Japanese garden beetle, injurious to many fruits, vegetables, and flowers in southern New York, central New Jersey, and eastern Pennsylvania (new) ..	\$5,000.....\$35,000
<u>Tropical and Subtropical Plant Insects.</u>	
To provide for a comprehensive study of insects injurious to bulbs.....	10,000
<u>Truck Crop Insects.</u>	
For inaugurating an investigation in the Pacific Northwest of the European earwig, which not only seriously injures garden vegetables and flowers but is a disagreeable household pest..	12,500
For extending vegetable weevil investigations to California, where this pest has been found to seriously affect spinach.....	7,500
For investigating two species of wireworms affecting Burley tobacco in Kentucky and the bright tobaccos in the southeastern coastal plains.....	6,000
To initiate control studies of several insects destructive to mushrooms, particularly in the Northeast (new) ..	6,000
For increasing effectiveness of sugar-beet leafhopper survey.....	7,200.... 39,200
<u>Forest Insects</u>	
Investigation of white-pine weevil a serious menace to plantations and second-growth stands of white pine in the Northeast	5,000
For development of methods of controlling termites attacking timber, woodwork of buildings, and other forest products, in Hawaii, Panama, and western United States.....	8,000
Establishment of laboratory at Madison, Wis., for researches on insects destructive to forest products, in cooperation with Forest Service.....	5,000
For expanding study of tree-killing barkbeetles in Western States, including cooperation with Forest Service and private owners in instituting control measures.....	30,000



<u>Bureau and Item</u>	<u>Amount</u>
<u>ENTOMOLOGY (Continued)</u>	
<u>Forest Insects. (continued)</u>	
Investigation of problems in connection with control of serious insect infestations in the National Parks (new).....	\$5,000.....\$53,000
<u>Cereal and Forage Insects.</u>	
Investigation of control of the sugar-cane moth borer by means of parasites..	6,000
Investigation of the insect transmission of sugar-cane "root rot," in cooperation with Bureau of Plant Industry.....	3,400
For investigations of south-western corn borer in western Texas, New Mexico, and Arizona.....	5,000
Investigation of possibilities of carrying the alfalfa weevil in shipments of alfalfa meal.....	5,000 .... 19,400
<u>Cotton Insects.</u>	
For additional investigations of dusting by airplane for boll-weevil control, especially the economic phases.....	25,000
For developing methods of control and determining distribution of Arizona (Thurberia) cotton weevil.....	25,000
For research on methods of controlling the pink bollworm (new).....	25,000      75,000
<u>Insects Affecting Man and Animals.</u>	
For a comprehensive research study of the cattle grub.....	25,000
For extending studies in control of the screw worm and wool maggot.....	15,000.... 40,000
<u>Stored Product Insects.</u>	
For investigation of insects affecting household furnishings in storage....	5,000
For testing various new fumigants for their value in the control of stored-grain pests.....	5,000.... 10,000
<u>Taxonomy and Interrelations.</u>	
For salaries and expenses of additional specialists to strengthen and bring up to date the basic research work in the identification and classification of insects.....	28,600
<u>Bee Culture</u>	
For research on the physical, chemical, and therapeutic properties of honey, with special reference to its value as a food.....	5,000





<u>Bureau and Item</u>	<u>Amount</u>
ENTOMOLOGY (Continued)	
<u>Bee Culture. (continued)</u>	
For employment of additional specialists to assist in organizing the beekeeping industry and to collect and disseminate information as to the best methods to follow in the principal beekeeping regions.....	\$7,000...\$12,000 \$322,200
BIOLOGICAL SURVEY	
<u>Maintenance of Reservations.</u>	
For additional warden service on bird refuges, and for surveying, locating boundaries, and posting refuges.....	3,030
For fencing, construction of bunk house for laborers, and repairs to buildings and roads on National Bison Range, Mont.....	17,650
Construction of capturing corral for use in disposing of surplus animals on Wind Cave Game Preserve, S. Dak.	2,240
Care and maintenance of lands donated to Government by Izaak Walton League as an addition to the Winter Elk Refuge in Wyoming.....	3,135
For sanitary and water-supply improvements and for road improvements and minor repairs on Sullys Hill Game Preserve, N. Dak.....	3,020
For additional fencing and construction of capturing corral for disposal of surplus game animals, and for road improvements and minor repairs on Niobrara Reservation, Nebr.....	3,525
For restocking preserves where additional big game is needed to round out the herds.....	2,200....34,800
<u>Food Habits of Birds and Other Animals.</u>	
For laboratory and field work on the perfection of rodent and predatory animal poisons.....	2,500
For enlarging rodent control operations, with special reference to national forest areas.....	80,000
To intensify predatory animal control on areas where work has had to be done over repeatedly because of inadequate funds for a thorough clean-up, including work on national forests and other public lands.....	34,880...117,380



<u>Bureau and Item.</u>	<u>Amount</u>
<u>BIOLOGICAL SURVEY (Continued)</u>	
<u>Production and Conservation of Fur-Bearing Animals.</u>	
For purchase of silver foxes and minks and for construction of a minkey, needed in carrying out experiments in feeding, breeding, and handling these animals in captivity.....	6,500
For employment of two assistants to in- vestigate fur resources of certain areas with a view to increasing the supply...	6,000
For necessary traveling and laboratory expenses in conducting investigations of epidemic diseases of fur animals...	5,000
For operation of an experimental rabbit farm at Fontana, California.....	7,500
	\$25,000
<u>Biological Investigations.</u>	
For extending study of food habits, dis- eases, and parasites of game animals, birds, fur-bearers, and predatory animals.....	10,000
For research in the feeding and breeding habits of groups of wild animals con- taining injurious species, particularly of rodents.....	15,000
	25,000
<u>Protection of Migratory Birds.</u>	
For warden service in connection with en- forcement of Migratory Bird Treaty Act in States not now supplied or insuffi- ciently supplied with such service, pur- chase of two boats for work in Florida and Texas, provision for two field in- spectors, and employment of several per diem deputy wardens for temporary periods when serious outbreaks of vio- lations occur.....	55,600
For comprehensive study of waterfowl conditions, including numbers, dis- tribution, and migrations, to develop basic information needed for success- fully administering Migratory Bird Act and regulations.....	25,000
	80,600
<u>Reindeer, Game and Fur Bearers in Alaska.</u>	
For a reasonably effective enforcement of the Alaska game law.....	27,735





<u>Bureau and Item</u>	<u>Account</u>
BIOLOGICAL SURVEY (Continued).	
<u>Fire prevention on Game Refuges. (New).</u>	
To provide necessary safeguards for protection of Upper Mississippi Wild Life and Fish Refuge and three other game refuges against forest fires.....	\$20,110 \$330,625
AGRICULTURAL ECONOMICS	
<u>Farm Management and Practice.</u>	
For study of rural credit, crop insurance, and taxation problems.....	10,400
Cooperation with Forest Service in developing an effective plan for the utilization of submarginal agricultural lands.....	20,000
Cooperation with States in preparing Federal-State outlook reports.....	25,000 ... 55,400
<u>Marketing and Distributing Farm Products.</u>	
For further development of research work on the factors affecting prices of farm products.....	10,000
For studies of the production, distribution, and consumption of agricultural commodities by individual States and communities within States.....	10,000
For additional work to meet the increased demand for wool and mohair standards.....	5,000
For studies of the economic factors affecting the marketing of eggs and dressed poultry.....	5,000
For formulating standards for alfalfa meal and investigations in the marketing of hay, alfalfa meal, and other commodities.....	5,000
For studying problems pertaining to cotton ginning as related to grade, quality, etc., of the product.....	10,000
For meeting increased requests for cooperation in the organization of marketing work of large sections.....	5,000
For developing and extending the agricultural outlook work, including researches on the fundamental economic principles underlying production and marketing, with a view to adjusting production to probable demand for farm products.....	54,000 ...104,000



<u>Bureau and Item</u>	<u>Amount</u>
<u>AGRICULTURAL ECONOMICS (Continued).</u>	
<u>Crop and Livestock Estimates.</u>	
For development of a statistical service on the poultry industry.....	\$50,000
For inauguration of estimates of the annual production of hides from cattle, calves sheep, and goats.....	15,000.....\$65,000
<u>Foreign Competition and Demand.</u>	
For opening and equipping an office at Shanghai, China, to cover fruit, cotton, and other marketing investigations in the Orient.....	10,000
<u>Market Inspection of Farm Products.</u>	
For opening new offices at Springfield, Mass., and Spokane, Wash., for inspection service on fruits and vegetables..	11,000
For extension of inspection service on dairy and poultry products to a number of important receiving markets as well as shipping points, in cooperation with State and local agencies.....	9,055
To meet increased demand for inspection of hay, beans, soy beans, and broomcorn.	7,000
To extend the meat grading work, the demand for which has increased enormously.....	85,000
Decrease on account of discontinuance under this appropriation of cotton inspection work (Cotton Standards Act carrying full authority for performance of all work of this type required of the bureau).....	- 9,795..... 102,260
<u>Market News Service</u>	
For market news service on livestock, meats and wool--to enable Department to open a new office at Sioux City, Iowa, expand the limited service at Indianapolis, Buffalo, Cincinnati, Cleveland, and Pittsburgh, broaden scope of meat service at New York, Boston, and Philadelphia to include reports on local dressed meats, to extend the latter service to San Francisco, and to provide a service on wool at Philadelphia and on hides and skins at Chicago and New York.	59,160





<u>Bureau and Item</u>	<u>Amount</u>
<u>AGRICULTURAL ECONOMICS (Continued)</u>	
<u>Market News Service (Continued)</u>	
For market news service on fruits and vegetables--to provide for opening offices at Cleveland, Detroit, and Buffalo, and for maintenance of a large number of temporary field stations in producing districts.....	\$83,108
For market news service on dairy and poultry products--to provide for expansion of work to include reports on live and dressed poultry and on eggs at San Francisco, Chicago, and New York.....	12,500
For market news service on hay, feed, and seeds -- to expand present service on grain, hay, feed, seeds, beans, soy beans, and broomcorn; feed market reports now service only Central Western and New England States; more comprehensive market information on grains needed; work should be expanded at Washington, D. C., Kansas City Mo., Fort Worth, and San Francisco.....	29,300.....\$184,068
<u>Cooperative Marketing.</u>	
For employment of at least one specialist each on eggs and poultry, tobacco, fruits and vegetables, on cooperative purchasing of farm supplies, on livestock problems, on business analyses, and an extension specialist in cooperation, in order to meet the pressing demands by cooperative associations for information and assistance in their organization and marketing problems; also to provide for holding cooperative marketing advisory conferences, as contemplated by the Cooperative Marketing Act and urged by cooperative associations.....	50,000
<u>Enforcement of Cotton Futures and Cotton Standards Acts.</u>	
To provide for greatly increased work under these Acts, including that relating to standards for cotton linters and the preparation of additional standards for cotton whiter than the universal standards, issuance of practical forms of spotted and gray cottons, and additional staple standards.....	10,000
<u>Enforcement of Grain Standards Act.</u>	
For meeting the greatly increased demand for Federal appeal certificates of inspection and to establish and administer standards for flax.....	15,000



<u>Bureau and Item</u>	<u>Amount</u>
<u>AGRICULTURAL ECONOMICS (Continued)</u>	
<u>Enforcement of Standard Container Act.</u>	
For salary and expenses of a technical assistant to handle additional work due to increase in number of factories manufacturing packages and new types of containers constantly appearing on the market.....	\$3,000      \$598,728
 <u>HOME ECONOMICS.</u>	
<u>Home Economics Research.</u>	
For study of the use of cotton and woolen fabrics in the home, particularly with reference to the construction, design, and laundering possibilities of fabrics made from cotton, with a view to development of new and more extensive uses of cotton materials in clothing and household textiles.....	8,000
<u>Dietary Studies</u>	
For the development of dietary studies, including a national survey of dietary habits as a basis for guiding production and marketing programs.....	10,000..... 18,000
 <u>PLANT QUARANTINE AND CONTROL ADMINISTRATION.</u>	
<u>Enforcement of Foreign Plant Quarantines.</u>	
To properly care for inspection work at ports of entry necessitated by increased importation of restricted articles and establishment of inspection service at new ports.....	41,700
For additional personnel and enlargement and extensive repair and replacement of fumigation equipment to take care of steadily increasing amount of controlled commerce coming over Mexican border....	36,280
For field or crop inspection of plants entered under special permit to detect possible entry of pests and to determine that the agreed propagation use of the material is being made by permittee...	27,500
For additional personnel at D.C. quarantine house to facilitate handling of plant material.....	3,200..108,680
<u>Preventing Spread of Moths</u>	
To provide for survey and treatment work in an area between the barrier zone and the Connecticut River in States of Connecticut, Massachusetts, and Vermont, where the moth has increased enormously.....	30,000





<u>Bureau and Item</u>	<u>Amount</u>
PLANT QUARANTINE AND CONTROL ADMINISTRATION. (Continued)	
<u>Certification of Exports.</u>	
For additional personnel to extend inspection and certification service on domestic fruits, vegetables, seeds, and nursery stock and other plants for propagation, when offered for export, to meet sanitary requirements of foreign countries.....	\$26,000
	\$164,680
MISCELLANEOUS	
<u>Livestock Production, South.</u>	
For construction of new bridge at New Iberia experiment station at Jeanerette, La., to replace present structure which was severely damaged by hurricane of August, 1926.....	10,000
<u>Dairy Investigations, West.</u>	
For repairs and replacements of buildings and equipment at the Huntley (Mont.) station.....	2,000
<u>Special Corn Borer Research (new).</u>	
For agronomic, economic, engineering, and other research (other than entomological) to meet corn borer situation, as follows:	
(1) Bureau of Animal Industry: For feeding and other studies.....	10,000
(2) Bureau of Plant Industry:	
Cultural and breeding investigations with cereals, with special reference to areas infested with corn borer.....	25,000
Studies of the value and best methods of utilizing forage crops as substitutes for corn in regions where the borer is likely to make the growing of corn unprofitable.....	30,000
(3) Bureau of Chemistry and Soils:	
Study of the economic utilization of corn cobs and stalks.....	8,000
Analyses of insecticides and chemically treated plants.....	12,000
(4) Bureau of Public Roads: Development of suitable machinery and equipment for use in controlling the corn borer.....	50,000
(5) Bureau of Agricultural Economics: Studies of adjustments in systems of farming, livestock production, and other adjustments which may be made necessary by the corn borer.....	15,000
	\$150,000





<u>Bureau and Item</u>	<u>Amount</u>
MISCELLANEOUS (Continued).	
<u>Special Fundamental Research (new).</u>	
To provide for fundamental research work to meet emergent and other unforeseen situations that constantly arise in connection with the Department's work and which are of such a character that it would be wholly uneconomic to ignore them; funds to be under direct control of the Secretary.....	50,000
-----	
Total Supplemental Recommendations, exclusive of road building.....	6,954,311
ROAD FUNDS (See letter of Sept. 10 transmitting estimates).	
<u>Forest Roads and Trails</u> .....	1,500,000
<u>Federal Aid Highways</u> .....	11,000,000
-----	
Total Supplemental Recommendations.....	19,454,311

